

## Certificate of Quality

**Product Name: HEPES, Free Acid**

One of the best general purpose buffers available for biological research. Recommended buffer for the glutamate binding assay, prevents binding to non-receptor materials. Useful pH range: 6.8-8.2.

Product Code: A2802 CAS #: 7365-45-9  
Grade: High Purity Formula: C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>S  
Appearance: Fine white powder MW: 238.3  
Reassay Date: 3 years after shipping date Lot#: See product label  
Storage: Store at room temperature. Protect from moisture.

TEST	SPECIFICATION	RESULT
Purity	≥ 99%	Passes
pKa at 25°C	7.35-7.70	Passes
Heavy Metals (as Pb)	≤ 5 ppm	Passes
DNase, RNase & Protease	None	None Detected
Abs. @280nm (1M water)	< 0.05	Passes
Moisture (LOD)	≤ 1.0%	Passes

Data Verified by M. He.

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